

Tennessee Department of Environment and Conservation Division of Water Resources William R. Snodgrass Tennessee Tower

JAN **3 1** 2017

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William R. Snodgrass Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243

Phase II Stormwater Permit Notice of Intent (NOI)

Phase II Municipal Separate Storm Sewer Systems (MS4)

ENVIRONMENT & CONSERVATION COOKEVILLE FIELD OFFICE

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The purpose of this Notice of Intent (NOI) is for a Tennessee city, county, utility district, university or military base to submit the information necessary to obtain coverage under an NPDES permit to discharge stormwater runoff from a Phase II municipal separate storm sewer system.

INSTRUCTIONS

You must provide the following information to the Division of Water Resources as application material. You may either submit a hard copy of the signed NOI as described in sub-part 2.2.1 of the MS4 Permit, signed in accordance with the signatory requirements of sub-part 6.7 of the permit, and a copy of the NOI, to the address shown in sub-part 1.2 of the permit for the EFO responsible for the county where the facility is located; or you may submit by e-mail, the completed NOI and attachments (such as map and city ordinances) to water permits@tn.gov.

After completing the questions in each section, list the Best Management Practices (BMPs) that you will implement in each program. Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

After completing the BMP's in each section provide the administrative information to complete those BMP's as explained here:

Primary Contact and Position/Title	The person in your organization serving as the primary contact.
Other Department and Roles	Other departments within your organization involved in the project and how their role is identified.
Other Government Entity and Roles	Identification of other government entities responsible for implementing one or more of the BMP's. Include a copy of the contract or proposed agreement with execution schedule.
Other Institutions and Roles	Identification of partnerships with another MS4 operator or institution (e.g., Chamber of Commerce, environmental interest organizations, civic groups) to achieve the BMP's.
Target Groups (if applicable)	Specific kinds of groups that will be targeted, such as service industries (i.e., carpet cleaning), civic groups, schools, and church groups, etc.

PART I - ADMINISTRATIVE INFORMATION				
Name of Phase II MS4 city, county, stormwater utility district or public institution: City of Cookeville				
Include a latitude and longitude of a representative			ses.	
Latitude (dd.dddd): 36.1627	Longitude (dd.dddd):	-85.5048		
Mike Davidson	City Manager			
Responsible Elected Official or Officer	Title			
45 E. Broad Street	Cookeville	TN	38501	
Street Address	City	State	Zip Code	

ITEM C - MAPS			
Include a map or maps depicting the following infor	mation. mation n	A single map may be submitted, as long as the informark the applicable check box and attach an explana Military Installations State vocational, technical, college or universities Federal vocational, technical, college or universities City Roads County Roads Streams Topography or General Drainage Patterns	mation as

ITEM D - IDENTIFYING STREAMS WITH UNAVAILABLE PARAMETERS or EXCEPTIONAL TENNESSEE WATERS

Using the GIS mapping tool (http://www.tn.gov/environment/article/wr-wq-water-quality-reports-publications) along with the most current 303(d) list (http://www.tn.gov/environment/article/wr-wq-water-quality-reports-publications) published on the division's web site, determine whether stormwater from any part of the MS4 discharges into streams with unavailable parameters (previously referred to as impaired streams) for nutrients, pathogens, siltation, or other parameters related to stormwater runoff from urbanized areas or to streams designated as Exceptional Tennessee Waters and list below. For any waterbody with unavailable parameters or Exceptional Tennessee Waters, indicate the waterbody ID#, name of the waterbody and nature of pollution (cause) or Exceptional status.

WATERBODY ID# AND NAME OF WATERBODY	NATURE OF POLLUTANT (CAUSE) OR EXCEPTIONAL
05130108045_0150 Cane Creek	Alteration of Stream-side or littoral vegetative cover, Loss of biological integrity due to siltation
05130108045_0300 Hudgens Creek	Alteration of Stream-side or littoral vegetative cover, Loss of biological integrity due to siltation, Escharichia coli
05130108045_0400 Pigeon Roost Creek	Nitrate + Nitrite, Total Phosphorus, Physical substrate habitat alterations, Escharichia coli
05130108045_0450 Pigeon Roost Creek	Nitrate + Nitrite, Total Phosphorus, Physical substrate habitat alterations, Escharichia coli
*	

If you have additional streams to list, include in a separate attachment.

PART IV - SIGNATURE OF RESPONSIBLE CORPORATE OFFICER

This Notice of Intent (NOI) must be signed as follows: For a municipality, state, federal, other public agency, and/or co-permittees by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes one of the following:

I. The chief executive officer of the agency.

II. A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."

Misso il	City Manager / City of Cookeville	1/30/2017
Signature	Title/Municipality	Date

specific ways you do want the public to be involved, based on your program needs. For instance, you may want stream watch groups to be organized. In both cases, your proposed program should describe how you will accomplish this, along with a time schedule.

PROP	OSED BEST MANA	GEMENT PRACTICES FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION
BMP	Name	DESCRIPTION
1A.	Public Education	Provide print materials to distribute at public events; Provide speakers at public eduational events such as Nature Fest or sponsor a community activity such as stream cleanup; Provide Educational Opportunities for education such as LID for engineers, developers
1B.	Classroom Education	Work with school system to get more water quality information and classes to students
1C.	Hotline	Have a hotline (931-520-5201) for citizen call in of stormwater complaints - these calls are investigated as they are recieved
1D.	Grab bags for Citizen Involvement	Provide print materials, rain gauges, activity books, etc. to citizen groups as requested

If you have additional BMPs to list, include in a separate attachment.

2. What specific groups will be targeted (e.g., service industries such as carpet cleaning, lawn care, civic groups, schools, church groups) if applicable: <u>civic groups</u>, <u>environmental groups</u>, <u>schools</u>, <u>food services</u>, <u>earth moving contractors</u>, <u>engineers</u>, <u>developers</u>, <u>automotive services</u>

C. Measurable Goals and Implementation Milestones:

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information:

ADMINISTRATIVE INFORMATION FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION	
PRIMARY CONTACT POSITION OR TITLE	
Tracy Meggs	Civil Engineer - Public Works & Engineering Dept.

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Leisure Services	Holds Nature Fest & has pet waste cleanup equipment in parks

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	BMP
Putnam County School System	Controls the access to the public schools
Tennessee Tech University	Supplies volunteers for sinkhole cleanups, tree planting & offers classes to
	talk to

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	BMP

9. Does the municipality presently have procedures and personnel in place for enforcement of violations of the illicit discharge ordinance? If yes, describe: Stormwater Manager (Civil Engineer) investigates discharges and should there be an illicit discharge we send out certified letters to the violator with required actions and time frames to complete those actions. Normally dischargers are met onsite and shown the problem and told how best to handle the discharge and cleanup.
Yes ⊠ No □
10. Describe how enforcement actions are documented: Copies fo certified letters are kept.
11. Has the municipality defined "hot spots" for non-stormwater discharge screening and inspection purposes? If yes, describe and provide a map of illicit discharge screening hot spots: The City defines "Hotspots" ("priority area") means an area where land use or activities generate highly contaminated runoff, with concentratins of pollutants in excess of those typically found in stormwater - we find that those areas are typically in the Commercial/Industrial zoned areas and those are the areas we do dry weather screening. We have no particular map of hotspots but use the zoning maps to find those areas most likely to have contaminated runoff.
Yes No 🗆
12. Does the municipality presently have procedures in place to receive and consider information and complaints about non-stormwater discharges that are submitted by the public? If yes, provide brief description: responsible departments, personnel, steps followed: We have a hotline, the stormwater manager (Civil Engineer) investigates and when possible determines the cause and works with the discharger to correct/cleanup the discharge. When the discharger is not responsive we send certified letters and begin enforcement process.
Yes ⊠ No □

B. Proposed Activities:

1. List the BMPs that you will implement in the area of Illicit Discharge Detection and Elimination. These should be based on a set of priorities that you have identified in the area of Illicit Discharge Detection and Elimination. Provide a short descriptive name to the BMP in the left column and more description in the right column.

PROP	PROPOSED BEST MANAGEMENT PRACTICES FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION		
BMP	Name	DESCRIPTION	
2A.	Hotspot/Priority Areas	City will continue to monitor hotspot areas with dry weather screening of pipes, channels & MS4 outfalls and develop documentation on those inspections	
2B.	IDDE enforcement	City has established written protocols for handling illicit discharges such as specific time-frame for complaint investigation. City will continue to investigate and enforce illicit discharges, and will review those protocols and revised as necessary	
2C.	IDDE education	Education targeted for specific types of businesses (i.e. automotive services, food services, heavy equipment operators, etc.) for targeted distribution	
2D.	IDDE Field Screening	To screen MS4 outfalls to TMDL Listed streams at least once every permit cycle with outfall screening.	

If you have additional BMPs to list, include in a separate attachment.

2. What specific groups will be targeted, if applicable? automotive services, lawn services, food services, heavy equipment operators, general public, city employees

C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information

ADMINISTRATIVE INFORMATION FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION		
PRIMARY CONTACT	POSITION OR TITLE	
Tracy Meggs	Civil Engineer - Public Works & Engineering	

Yes ⊠	No 🗌	Page Number <u>6</u>	Paragraph Number 14-502 (9)	
(TNR10000		or design storm and special co	t effective Tennessee Construction Ger anditions for waterbodies with unavailab	
Yes 🛛	No 🗌			
7. Do those during cons		ds require that construction ac	ctivities maintain temporary water qualit	y riparian buffers
Yes ⊠	No 🗌			
			review process (i.e. engineering depar t and redevelopment construction for co	
Yes ⊠	No 🗌			
9. Does the	technical review	process require an erosion pre	evention and sediment control plan with	appropriate BMPs?
Yes ⊠	No 🗌			
	e review process for priority constru		construction meeting between the mun	icipality and site
Yes 🗌	No 🖂			
responsible Codes Dept we all meet engineer/de	personnel, and c t who distribute th to discuss plans eveloper is invited	riteria used for evaluation of in em to Public Works, Engineeri (when they are complicated or to the meeting to explain) and	a flow chart of the process, describing to formation or plans that are submitted: Ing, Planning, Fire, Utilities. Each grouthere are many problems with the plant put together a list of changes requied anges have been made before approving	Plans are turned into p checks plans and is the to be made. Then
	e municipality pre submitted by the p		ce for receipt and consideration of infor	mation and
Yes ⊠	No 🗌			
departments database ar	s, personnel (by ti nd assigned to eit	tle). Accept complaints on the	rocedures, describing process steps, re hotline or through telephone calls and ter Technician in the Public Works Dep nforcement is required.	added to the
13. Does the	e municipality pre	sently have personnel and pro	ocedures in place for construction site r	unoff inspection?
Yes ⊠	No 🗌			
14. Does the	e program provide	e for pre-construction meeting	and monthly inspection of priority cons	truction activities?
Yes ⊠	No 🗌			
		sently have procedures and posite requirements?	ersonnel in place for enforcement to the	e maximum extend
Yes 🛚	No 🗌			
16. Does the	e municipality use	a Stop Work or similar order	to enforce compliance with construction	n site policies and

11 of 20

requirements?

		with another MS4 Opera ganizations, civic groups			g. Chamber of Commerce, BMPs.
ENTITY	marmorout on	BMP	7 117 07 007 10	search, and the officers.	
and which					sen BMPs? If so, identify the entity or contract, or proposed agreement
ENTITY		BMP			
SECTION	4 - PERMANEI	NT STORMWATER MAI	NAGEMEN"	TAT NEW DEVELOP	MENT AND REDEVELOPMENT
A. <u>Current</u>	Activities:				
Redevelop permit. For must be im	ment Program. MS4s who have plemented by the second control of the	These questions are info ve not been previously c	ended to hi overed und b-part 4.1.1	ghlight minimum prog er an MS4 permit, ea l of the permit. Thus,	ment in New Development and gram requirements under the MS4 ch element not currently performed each question with a "No" answer
manageme For examp	ent from new de le, land use pla	evelopment or redevelop	ment projective	ots that result in land one es, site-based polluta	ess permanent stormwater runoff disturbance of one acre or more? ant removal controls; stormwater
Yes 🛚	No 🗌				
strategies i personnel of 5,000 so the first inc	mplemented, E (by title): the C i. ft. or more red h of runoff to be	Best Management Praction ity's stormwater ordinan guired to provide detenti	ces allowed ce specifies on to slow o on all sites	, technical guidance, that all new or redevoutfall to the 2, 5, & 10	ructural strategies, describing responsible departments, and relopment, making impervious areas year storms, with requirements for bed area. Also all sites are required
manageme	ent from new de	an ordinance or regulato evelopment and redevelon the next section on per	opment proj	ects? If yes, reference	rmanent stormwater runoff ce the page number and paragraph t plans review.
Yes ⊠	No 🗌	Page Number	<u>16</u>	Paragraph Number	14-712
	e ordinance or i per and paragra		equire contr	ols to treat pollutants	in stormwater runoff? If yes, note
Yes 🛚	No 🗌	Page Number	<u>16</u>	Paragraph Number	<u>14-712 (3)</u>
new develo	pment or rede	velopment projects grea mmon plan of developme	ter than or e	equal to one acre, inc	controls be implemented for any luding projects less than one acre our small MS4? If yes, note page
Yes ⊠	No 🗌	Page Number	<u>16</u>	Paragraph Number	<u>14-712 (3)</u>

4A.	Runoff	City adopted the 1" stay on site permanent stormwater requirements January 2016, will
	Reduction	review ordinances to assure compliance with permit runoff reduction standards
4B.	Design	City uses Tennessee Permanent Stormwater Management & Design Guidance Manual
	examples	and refers design professional to use it also.
4C.	Water Quality	City revised the Buffer Zone ordinance to comply with 2010 MS4 permit January 2016, will
	Buffer Zone	reivew ordinances th assure compliance with permit standards as needed.
4D.	Permanent	Determine procedure and protocols for Permanent Stormwater Management Facility
	Stormwater	Inspections as well as developing a recordkeeping procedure for those inspections.
	Management	
	Inspections	

If you have additional BMPs to list, include in a separate attachment.

Describe the specific groups that will be targeted, if applicable? Engineers, Developers, Riparian Land owners

C. Measurable Goals and Implementation Milestones:

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information:

ADMINISTRATIVE INFORMATION FOR PERMANENT STORMWATER MANAGEMENT PLANS REVIEW			
PRIMARY CONTACT POSITION OR TITLE			
Tracy Meggs Civil Engineer - Public Works & Engineering			

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Codes	Will not issue building permits until notified that all Stormwater Management requirements are met.

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

BMP

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	BMP

SECTION 5 - POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

A. Current Activities:

The following is a set of questions on your current Pollution Prevention/Good Housekeeping for Municipal Operations Program. These questions are intended to highlight minimum program requirements under the MS4 permit. Each question with a "No" answer must be addressed with a solution in the MS4's proposed program.

BMP	Name	DESCRIPTION
5A.	SOPs	Update or create SOPs for all municipal activities that could effect stormwater
5B.	Staff Training	Once per permit cycle training for existing employees - create handout for new hires
5C.	Street Sweeping	Maintain and revise routes as necessary to keep streets swept clean of debris and fines
5D.		

If you have additional BMPs to list, include in a separate attachment.

Provide specific groups that will be targeted, if applicable: <u>City employees from Public Works, Electric, Gas, Water Quality & Leisure Services Departments</u>

C. Measurable Goals and Implementation Milestones:

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information:

ADMINISTRATIVE INFORMATION FOR POLLUTION PREVENTION AND HOUSEKEEPING		
PRIMARY CONTACT POSITION OR TITLE		
Tracy Meggs	Civil Engineer - Public Works & Engineering	

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Water Quality Dept	Update SWPPP for Sewer Treatment Plant & do employee training
Electric & Gas Depts.	Update SOPs for their operations as needed and do employee training
Leisure Services	Update SOPs for their operatons as needed and do employee training

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	ВМР	

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	ВМР	

Milestone Vees E	Dury ide O grad has bandered nor year
Milestone Year 5	Provide 2 grab bag handouts per year
	Trettine migration and trettine and party and

BEST MANAGEMENT P	RACTICES FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION
BMP 2A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Hotspot/Priority Areas; City will continue to monitor hotspot areas with dry weather screening of pipes, channels & MS4 outfalls; City will develop documentation for those inspections.
Milestone Year 1	Dry Weather Screening & Develop documnetation procedures for the screening
Milestone Year 2	Dry Weather Screening continues
Milestone Year 3	Dry Weather Screening continues
Milestone Year 4	Dry Weather Screening continues
Milestone Year 5	Dry Weather Screening continues
BMP 2B	MEASURABLE GOALS AND MILESTONES
Goal(s)	City has estabilished written protocol for handling illicit discharges. City will continue to investigate and enforce illicit discharges, and will review those protocols and revise as necessary.
Milestone Year 1	Continue to investigate and enforce illicit discharges, review protocol and revise as needed.
Milestone Year 2	Continue to investigate and enforce illicit discharges, review protocol and revise as needed.
Milestone Year 3	Continue to investigate and enforce illicit discharges, review protocol and revise as needed.
Milestone Year 4	Continue to investigate and enforce illicit discharges, review protocol and revise as needed.
Milestone Year 5	Continue to investigate and enforce illicit discharges, review protocol and revise as needed.

MEASURABLE GOALS AND MILESTONES
IDDE Education; educational materials for specific types of businesses for targeted
distribution
Distribute educational materials as opportunities present
MEASURABLE GOALS AND MILESTONES
IDDE Field Screening; to screen MS4 outfalls at least once every permit cycle
Prepare protocol for field screening documentation
Screening on Cane Creek Watershed
Screeing on Upper Pigeon Roost Creek Watershed
Screening on Lower Pigeon Roost Creek Watershed
Screening on Hudgens Creek Watershed

BEST MANAGEMENT	PRACTICES FOR CONSTRUCTION SITE RUNOFF PROGRAM
BMP 3A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Construction Site Runoff Program; Maintain existing permitting and inspection program
Milestone Year 1	continue permitting and inspection program.
Milestone Year 2	continue permitting and inspection program.
Milestone Year 3	continue permitting and inspection program.
Milestone Year 4	continue permitting and inspection program.
Milestone Year 5	continue permitting and inspection program.
BMP 3B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Construction Site Runoff Program Updates; Update ordinances and policies where necessary to comply with new MS4 Permit and new CGP.

Milestone Year 4	Enforce compliance with Buffer Zone Ordinance
Milestone Year 5	Enforce compliance with Buffer Zone Ordinance
BMP 4D	MEASURABLE GOALS AND MILESTONES
Goal(s)	Permanent Stormwater Management Inspections; Determine procedures and protocols for Permanent Stormwater Management Facility Inspections and develop recordkeeping procedures for those inspections.
Milestone Year 1	Study and create listing of all Permanent Stormwater Management Facilities
Milestone Year 2	Study and create listing of all Permanent Stormwater Management Facilities
Milestone Year 3	Determine recordkeeping procedures for Inspections of Permanent Stormwater Management Facilities
Milestone Year 4	Begin Inspection of Permanent Stormwater Management Facilities
Milestone Year 5	Continue Inspection of Permanent Stormwater Management Facilities

BEST MANAGEMENT HOUSEKEEPING	PRACTICES FOR MUNICIPAL POLLUTION PREVENTION AND GOOD
BMP 5A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Update or create SOPs for all municipal activities that could effect stormwater
Milestone Year 1	Update SOP for Public Works
Milestone Year 2	Update SOP for Water Quality Dept
Milestone Year 3	Update SOP for Gas Dept.
Milestone Year 4	Update SOP for Electric Dept.
Milestone Year 5	Update SOP for Leisure Services Dept.
BMP 5B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Staff Training for existing employees - from various departments that could effect stormwater
Milestone Year 1	Staff Training for Water Quality Dept
Milestone Year 2	Staff Training for Water Quality Dept
Milestone Year 3	Staff Training for Gas Dept.
Milestone Year 4	Staff Training for Electric Dept.
Milestone Year 5	Staff Training for Leisure Services Dept.

BMP 5C	MEASURABLE GOALS AND MILESTONES
Goal(s)	Stree Sweeping - Maintain and revise routes as necessary to keep streets swept clean
	of debris and fines
Milestone Year 1	Revise routes for street sweeping & continue regular street sweeping
Milestone Year 2	Revise routes for street sweeping & continue regular street sweeping
Milestone Year 3	Revise routes for street sweeping & continue regular street sweeping
Milestone Year 4	Revise routes for street sweeping & continue regular street sweeping
Milestone Year 5	Revise routes for street sweeping & continue regular street sweeping
BMP 5D	MEASURABLE GOALS AND MILESTONES
Goal(s)	
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	
Milestone Year 4	
Milestone Year 5	

13.G. Organizational Chart

ORGAINIZATION CHART – Stormwater is under the Engineering Division with Civil Engineer II and Stormwater Tech as the two positions doing Stormwater.

